

REMARKS

INTRODUCTION:

In accordance with the foregoing, claims 1, 4, 6, 9, 10, and 14 have been amended.

Claims 1-14 are pending and under consideration.

REJECTION UNDER 35 USC §102:

Claims 1-14 stand rejected under 35 USC §102(b) as being anticipated by Walker, U.S. Patent No. 5,335,168. This rejection is respectfully traversed.

By way of review and as an example, independent claim 1 sets forth a display apparatus including a display screen, a memory unit, and a display control unit. The display screen displays image data sent from a main apparatus, noting that the main apparatus is a frame different from the frame containing the display screen, memory unit, and display control unit. The memory unit stores screen protecting image data, and the display control unit controls the display of the screen protecting image data under a condition that the main apparatus is not actually operated for a predetermined time period.

All independent claims set forth similar features, with differing scope and breadth.

As illustrated in FIG. 1, of the present application, information can be transferred between two frames, a computer main frame, and in this example, a notebook computer. The computer main frame is one frame and the notebook computer is a separate and distinct frame. The term "frame" is a well known term for a computational device.

As noted above, the independent claims have been amended to more clearly amplify the features of the present invention, i.e., that the claimed main apparatus or computer main frame is separate from the frame containing the claimed display screen, memory unit, and display control unit. Going back to the illustration in FIG. 1, of the present application, main frame 2 includes CPU 3, graphic controller 4, and VRAM 5, with the separate and distinct frame of notebook computer 1 including display screen 21, flat panel controller 22, and memory 23. As illustrated in the embodiment shown in FIG. 1, and as presently claimed, the frame containing the main apparatus, or as also claimed the computer main frame, is different from a claimed frame containing the display screen, memory unit, and display control unit.

Conversely, Walker appears to merely set forth a computer with a monitor. Based on control from the CPU the monitor can be put in a screen saver mode.

Independent claim 1, for example, specifically recites an arrangement of a display apparatus having a display screen, a memory unit, and a display control unit, contained in one frame, **which is different from the frame of the main apparatus.**

Walker sets forth a configuration of a display screen, a memory means, and a controller, which appear to correspond to the claimed display screen, memory unit, and display control unit. However, Walker does not disclose or suggest the claimed arrangement of the display screen, memory unit, and display control unit being contained in a frame different from the frame of the main apparatus.

Therefore, for at least the above rationale, it is respectfully requested that this rejection of claims 1-14 be withdrawn and claims 1-14 be allowed.

CONCLUSION:

There being no further outstanding objections or rejections, it is submitted that the application is in condition for allowance. An early action to that effect is courteously solicited.

Finally, if there are any formal matters remaining after this response, the Examiner is requested to telephone the undersigned to attend to these matters.

If there are any additional fees associated with filing of this Amendment, please charge the same to our Deposit Account No. 19-3935.

Respectfully submitted,

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VERSION WITH MARKINGS TO SHOW CHANGES MADE

IN THE CLAIMS:

Please AMEND claims 1, 4, 6, 9, 10 and 14, as follows.

1. (TWICE AMENDED) A display apparatus, comprising:
a display screen displaying thereon image data sent from a main apparatus;
a memory unit storing thereinto screen protecting image data; and
a display control unit displaying the screen protecting image data stored in said memory unit on said display screen under such a condition that the main apparatus is not actually operated for a predetermined time period,
wherein said display screen, said memory unit, and said display control unit are contained in a frame that is independent from a frame containing the main apparatus.

4. (TWICE AMENDED) An information processing system, comprising:
a main apparatus processing image data; and
a display apparatus displaying the image data sent from said main apparatus on a display screen; wherein:
said main apparatus [comprises] includes:
an image data storage unit storing image data to be displayed; and
a main display control unit causing the image data stored in the image data storage unit to be displayed on the display screen; and
said display apparatus [comprises] includes:
a memory unit storing thereinto screen protecting image data; and
a sub-display control unit causing the screen protecting image data stored in said memory unit to be displayed on the display screen under such a condition that said main apparatus is not actually operated for a predetermined time period;
wherein said display screen, said memory unit, and said display control unit are contained in a frame that is independent from a frame containing the main apparatus.

6. (TWICE AMENDED) A display apparatus, comprising:
a memory unit storing therein screen protecting data; and
a display control unit causing the screen protecting image data stored in said memory unit to be displayed on a display screen of the display apparatus under such a condition that a main apparatus is not actually operated for a predetermined time period,
whereby when no access is made from the main apparatus to the display apparatus for the predetermined time period, an image produced from screen protecting image data is displayed on the display screen of the display apparatus, and
wherein said display screen, said memory unit, and said display control unit are contained in a frame that is independent from a frame containing the main apparatus.

9. (ONCE AMENDED) A display apparatus, comprising:
a display screen displaying thereon image data sent from a computer main frame, the computer main frame including a central processing unit, random access memory, a graphic controller and video random access memory;
a rewritable memory unit, separate from the random access memory and separate from the video random access memory, storing therein screen protecting image data; and
a display control unit, separate from the graphic controller, displaying the screen protecting image data stored in said rewritable memory unit such that the computer main frame is not actually operated for a predetermined time period, said display control unit transmitting a control signal to the computer main frame to instruct the the computer main frame to not operate for the predetermined time period,
wherein said display screen, said rewritable memory unit, and said display control unit are contained in a frame that is independent from the computer main frame.

10. (ONCE AMENDED) A display system for a portable computer, comprising:
a computer main frame [comprising] including a central processing unit, a graphic controller, random access memory, and video random access memory; and
a display apparatus [comprising] including:
a display screen displaying thereon image data sent from said computer main frame,
a screen protecting data random access memory, independent from the random access memory and the video random access memory of said computer main frame, storing screen protecting image data, and
a display control unit, independent from the central processing unit of said computer main frame, displaying the screen protecting image data stored in the screen protecting data random access memory on the display screen under such a condition that said computer main frame is not actually operated for a predetermined time period;
wherein said display screen, said screen protecting data random access memory, and said display control unit are contained in a frame that is independent from said computer main frame.

14. (ONCE AMENDED) A method of controlling a display apparatus, comprising:
displaying image data on a display screen sent from a computer main frame,
storing screen protecting image data in a screen protecting data random access memory, independent from a random access memory and a video random access memory in said computer main frame, and
displaying the screen protecting image data stored in the screen protecting data random access memory on the display screen under such a condition that the computer main frame is not actually operated for a predetermined time period,
wherein said display screen and said screen protecting data random access memory are contained in a frame that is independent from said computer main frame.